

Notice of Allowability

Application No.

09/996,948

Applicant(s)

PELLACURU, CHINNA
NARASIMHA REDDY

Examiner

Fikremariam Yalew

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/04/2007.
2. ☒ The allowed claim(s) is/are 1,2,6,9,11,12,15,17 and 20-45.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>09/04/2007</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

9/10/07

DETAILED ACTION

1. This office action correspondence is a response to the applicant's amendment filed on 09/04/2007. After reconsideration of the applicant's amendment filed on 09/04/2007, further search and through examination of the present application, claims 1-2,6,9,11-12,15,17,20-45 are found to be in condition for allowance over prior arts of record.

2. Claims 3-5,7-8,10,13-14,16,18-19 are canceled.

Reasons for allowance

3. In independent Claims 1,24,26,28 are patentable over the closest references of Srivastava (US Patent No 6,684331 B1) in view of Kocher (US Patent No 6,289455 B1) because they do not anticipate nor fairly and reasonably teach a method/apparatus/a computer-readable medium for facilitating secure communications among multicast nodes in a telecommunications network, the method comprising the computer-implemented steps of: receiving, at an authoritative node from a first node, a first request to store an encryption key, wherein the first request includes an identifier, and wherein the first node uses the encryption key to encrypt data that is multicast with the identifier to a plurality of second nodes; in response to the first request, the authoritative node storing the encryption key; the authoritative node creating and storing an association between the encryption key and the identifier; receiving, at the authoritative node from at least one second node of the plurality of second nodes, a second receiving, from at least one second node of the plurality of second nodes, a second request to obtain the encryption key, wherein the second request includes the identifier; in response to the second request, based on the identifier

Art Unit: 2136

included in the second request and the association between the encryption key and the identifier, retrieving the encryption key; and the authoritative node sending the encryption key to the at least one second node for use in decrypting the encrypted data.

4. In independent claims 21-22,25,27,29 are patentable over the closest references of Srivastava (US Patent No 6,684331 B1) in view of Aziz (US Patent No 6,3330671 B1) because they do not anticipate nor fairly and reasonably teach a method/apparatus/a computer-readable medium for encrypting communications among multicast nodes in a telecommunications network, the method comprising the computer-implemented steps of: an originating node sending a first request to store an encryption key and an identifier to an authoritative node, wherein the authoritative node, in response to the first request, (a) stores the encryption key (b) creates and stores an association between the encryption key and the identifier; the originating node encrypting data based on the encryption key; and the originating node multicasting the encrypted data with the identifier to one or more receiving nodes, wherein at least one receiving node of the one or more receiving nodes (a) sends a second requests to obtain the encryption key to the authoritative node, wherein the second request includes the identifier, and (b) decrypts the encrypted data based on the encryption key that the at least one receiving node receives from the authoritative node; and the authoritative node, in response to the second request, (a) retrieves the encryption key, based on the identifier included in the second request and the association between encryption key and the identifier, and (b) sends the encryption key to the at least one receiving node for use in decrypting the encrypted data.

Conclusion

Art Unit: 2136

5. Claims 1-2,6,9,11-12,15,17,20-45 are patentable.
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays should be clearly labeled "Comments on statement of Reasons for allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fikremariam Yalew whose telephone number is 5712723852. The examiner can normally be reached on 9-5.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Moazzami Nasser, can be reached on 5712738300. The fax phone number for the organization where this application or proceeding is assigned is 571-272-4195.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Fikremariam Yalew
09/06/2007
FA

Art Unit 2136

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9,10,07